

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) An optical scanning-type touch panel, comprising:

an optical scanning unit for angularly scanning light in a plane substantially parallel to a predetermined region;

a mirrored deflecting unit for deflecting scanning light of said optical scanning unit; and

a light receiving unit for receiving the deflected scanning light, for detecting a scanning light cut-off position, which is produced in said predetermined region by an indicator, based on a light receiving output of said light receiving unit that corresponds to a scanning angle,

wherein said deflecting unit has an asymmetrical shape about an optical axis.
2. (Original) The optical scanning-type touch panel as set forth in claim 1,

wherein the shape of said deflecting unit is asymmetrical in a scanning direction.
3. (Original) The optical scanning-type touch panel as set forth in claim 1,

wherein the shape of said deflecting unit is asymmetrical in a height direction.

4. (Original) The optical scanning-type touch panel as set forth in claim 3,
wherein a height of said deflecting unit is substantially equal to a height of said optical scanning unit.

5. (Original) The optical scanning-type touch panel as set forth in claim 4,
wherein said predetermined region has a rectangular shape, and a width of said deflecting unit is substantially equal to a scanning surface opening width of said optical scanning unit in scanning a diagonal section of said predetermined region with light.

6. (Previously Presented) An optical scanning-type touch panel, comprising:
an optical scanning unit for angularly scanning light in a plane substantially parallel to a predetermined region;

a deflecting unit for deflecting scanning light of said optical scanning unit; and

a light receiving unit for receiving the deflected scanning light, for detecting a scanning light cut-off position, which is produced in said predetermined region by an indicator, based on a light receiving output of said light receiving unit that corresponds to a scanning angle,

wherein said optical scanning-type touch panel satisfies a condition

$$d/2 + w < D \tan \delta$$

where D is a distance from said optical scanning unit to said deflecting unit, w is a width on said deflecting unit from a path of said scanning light to an end on said predetermined region side, d is a beam width of said scanning light, and δ is a scanning start angle.

7. (Cancelled)

8. (Previously Presented) An optical scanning-type touch panel, comprising:

an optical scanning unit for angularly scanning light in a plane substantially parallel to a predetermined region;

a deflecting unit for deflecting scanning light of said optical scanning unit; and

a light receiving unit for receiving the deflected scanning light, for detecting a scanning light cut-off position, which is produced in said predetermined region by an indicator, based on a light receiving output of said light receiving unit that corresponds to a scanning angle,

wherein said deflecting unit has an asymmetrical shape about an optical axis and an asymmetrical shape in a height direction,

wherein a height of said deflecting unit is substantially equal to a height of said optical scanning unit, and

wherein said predetermined region has a rectangular shape, and a width of said deflecting unit is substantially equal to a scanning surface opening width of said optical scanning unit in scanning a diagonal section of said predetermined region with light.